

IN THE CLAIMS

Listing of Claims

1-14. (Cancelled)

15. (Previously Presented) A base station apparatus comprising:

an acquisition section that acquires from a communication terminal apparatus, frequency band information indicating a frequency band having a propagation path state that is equal to or better than a predetermined level among a plurality of frequency bands, into which a frequency band used for a transmission multicarrier signal is divided and which are known to both the base station apparatus and the communication terminal apparatus; and

a transmitting section that transmits a signal to the communication terminal apparatus via the frequency band indicated by the frequency band information, wherein:

the transmitting section instructs each of a plurality of communication terminal apparatuses on a repetition number of the frequency band information in accordance with the number of accommodated communication terminal apparatuses.

16. (Previously Presented) The base station apparatus according to claim 15, wherein the acquisition section comprises:

an identifying section that identifies the frequency band through which a signal is transmitted from the communication terminal apparatus; and

a judging section that judges that the identified frequency band is the frequency band having the propagation path state that is equal to or better than the predetermined level.

17-21. (Canceled).

22. (Previously Presented) The base station apparatus according to claim 15, wherein:
the acquisition section acquires a priority of the propagation path state of the frequency band in addition to the frequency band information from each of the plurality of communication terminal apparatuses; and

the transmitting section determines a frequency band to assign to a signal for each communication terminal apparatus based on the frequency band information and the priority of the propagation path state of the frequency band.

23. (Previously Presented) The base station apparatus according to claim 22, wherein the transmitting section reports the determined frequency band to each communication terminal apparatus before transmitting a signal to each communication terminal apparatus.

24. (Previously Presented) The base station apparatus according to claim 23, wherein the transmitting section transmits the report signal via the determined frequency band.

25. (Previously Presented) The base station apparatus according to claim 22, wherein the transmitting section assigns a lower frequency band in a carrier center frequency for a communication terminal apparatus having a higher priority.

26. (Canceled).

27. (Previously Presented) The base station apparatus according to claim 15, wherein the acquisition section performs the acquiring when updating the frequency band assigned to the communication terminal apparatuses.

28. (Cancelled)

29. (Previously Presented) A transmission method in a base station apparatus, the method comprising the steps of:

from a communication terminal apparatus, acquiring frequency band information indicating a frequency band having a propagation path state equal to or better than a predetermined level among a plurality of frequency bands, into which a frequency band used for a transmission multicarrier signal is divided and which are known to both the base station apparatus and the communication terminal apparatus; and

transmitting a signal to the communication terminal apparatus via the frequency band indicated by the frequency band information, wherein:

the step of transmitting instructs each of a plurality of communication terminal apparatuses on a repetition number of the frequency band information in accordance with the number of accommodated communication terminal apparatuses.